

Attr Dkt. No.: AERX-080CIP2  
USSN: 10/685,746

**AMENDMENTS TO THE CLAIMS:**

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1. (Original) A method of treating erectile dysfunction in a patient, comprising the steps of:  
aerosolizing a formulation comprising sildenafil;  
inhaling the aerosolized formulation into the lungs of a patient; and  
allowing particles comprising sildenafil to deposit on lung tissue, and enter the patient's  
circulatory system.
2. (Original) The method of claim 1, further comprising:  
administering a bolus dose of an androgenic hormone to the patient.
3. (Original) The method of claim 2, wherein the administering of the androgenic hormone  
is by:  
aerosolizing a formulation comprised of an androgenic hormone;  
inhaling aerosolized androgenic hormone; and  
allowing the androgenic hormone to deposit on lung tissue.
4. (Original) The method of claim 3, wherein the androgenic hormone is selected from the  
group consisting of testosterone and dihydrotestosterone.
5. (Original) The method of claim 1, wherein the aerosolized particles are comprised of  
particles having a diameter in a range of from about 1 to about 5 microns.
6. (Original) The method of claim 1, wherein the formulation further comprises a  
testosterone.
7. (Currently Amended) A method of claim 19, wherein the ~~vasodilator~~ formulation  
comprises

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a composition selected from a PDE5 inhibitor, a growth hormone-releasing peptide receptor agonist, a 5-hydroxytryptamine receptor agonist, a dopamine receptor agonist, a melanocortin receptor agonist, an  $\alpha$ -adrenoceptor antagonist, alprostadil, papaverine, phentolamine, vasoactive intestinal peptide, guanylyl cyclases, a rho-kinase antagonist, oxytocin, an oxytocin receptor agonist, or an inhibitor of neuropeptide Y, or a combination thereof.

8. (Previously Presented) The method of claim 1 or 7, wherein an erection is realized in less than 30 minutes.

9. (Previously Presented) The method of claim 1 or 7, wherein an erection is realized in less than 20 minutes.

10. (Previously Presented) The method of claim 1 or 7, wherein an erection is realized in less than 10 minutes.

11. (Original) The method of claim 1 or 7, wherein the formulation is a liquid formulation.

12. (Original) The method of claim 1 or 7, wherein the formulation is a dry powder.

13. (Original) The method of claim 1 or 7, wherein the formulation comprises a pressurized propellant.

14. – 18. (Canceled)

19. (Previously Presented) A method of treating erectile dysfunction in a patient, comprising the steps of:

aerosolizing a formulation comprising a vasodilator;

inhaling the aerosolized formulation into the lungs of a patient; and

allowing particles comprising the vasodilator to deposit on lung tissue and enter the patient's circulatory system.